



KENTUCKY RETIREMENT SYSTEMS INVESTMENTS



To: KRS Board of Trustees
From: Richard Robben, Interim Executive Director of Investments
Date: February 21th, 2019
Subject: Report on Recent Investment Committee Activities

Investment Activity

New Investments

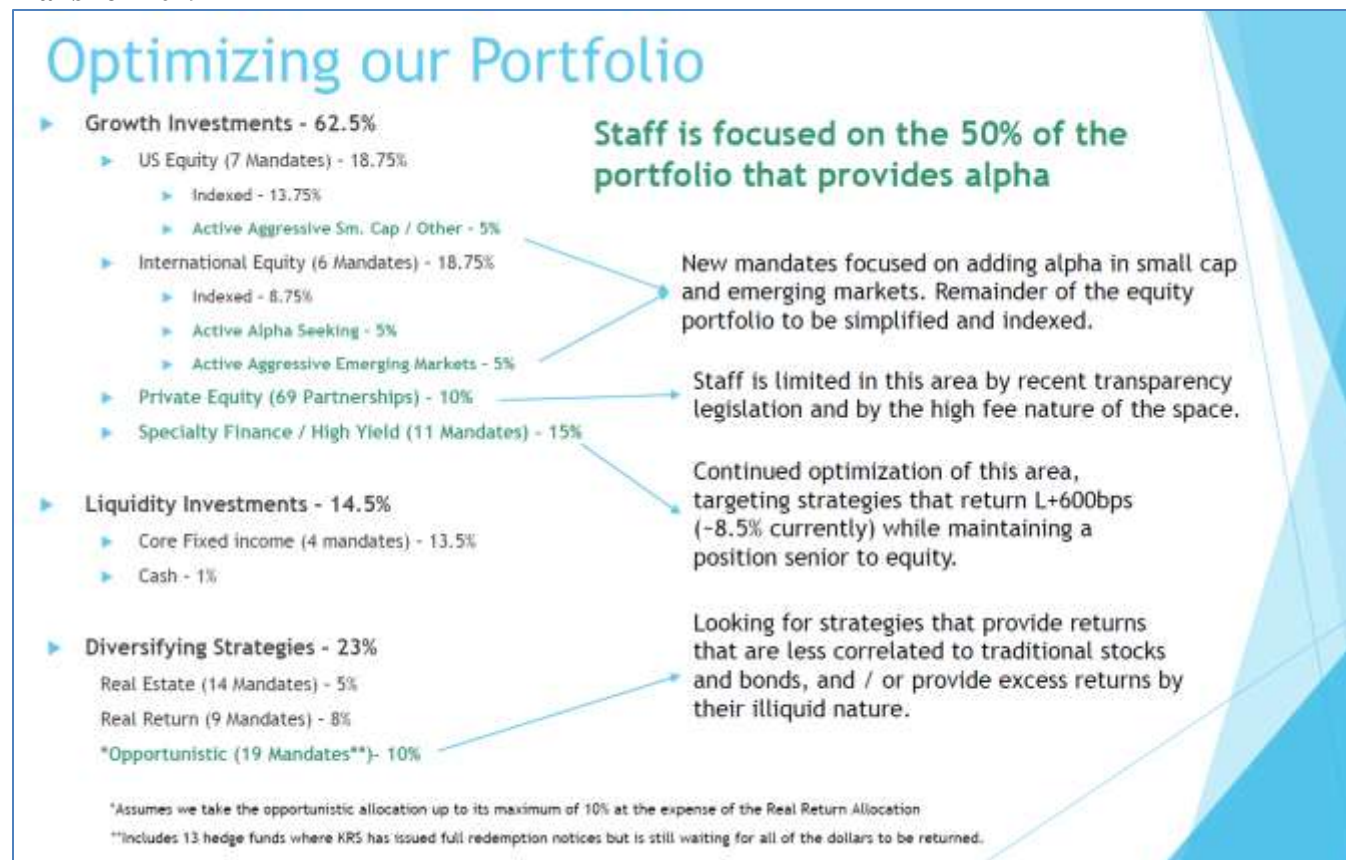
None

Staff additions & Redemptions

Waterfall Asset Management – (\$5MM (Pension = \$5MM / Insurance = \$10MM) additional deposits made in January 2019. Staff plans to add roughly \$10MM per month to our Waterfall accounts in order to increase their size to \$200MM for Pension and \$100MM for Insurance.

Funding the new Loomis Sayles Account – Staff wired \$750mm (\$550mm Pension / \$200mm Insurance) to the new Loomis Sayles intermediate Agg Core Fixed Income accounts on January 10th, 2019. The source of the funds was a partial liquidation of our holdings in the BNY Intermediate Credit Index Fund.

Plans for 2019



At the February 12th meeting of the Investment Committee meeting, staff presented their work plan for 2019. Staff intends to focus their time on the areas of the portfolio that provide alpha, which is roughly 50% of our assets. The other 50% that represents beta exposure will be indexed at the lowest possible cost. New mandates are planned in US Equity Small Cap, and in the International Emerging Market Equity sectors. Staff will also continue to build out our Specialty Finance and Opportunistic allocations as suitable investments are found in those areas.

Investment Guideline Waivers

The Investment Committee granted 3 guideline waivers at the February 6th meeting and agreed to review each of these waivers at all subsequent meetings. Two of these waivers are still in effect:

1. Staff was granted a waiver of the requirement that each of our external investment managers should be visited annually on-site by KRS staff.
2. Staff was granted a waiver of the requirement to rebalance assets within the Absolute Return, Real Estate, and Fixed Income asset classes as the transition to our new asset allocation policy is ongoing.

Plan Allocations – February 2018

KRS - PENSION FUND ALLOCATIONS											2/14/2019
Category	KERS - PEN					KERSH - PEN					
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff	
Growth	\$ 1,153,376,199	57.9%	53.50%	4.4%	\$ 88,162,861	\$ 415,595,211	63.9%	62.50%	1.4%	\$ 8,900,470	
US Equity	\$ 293,591,450	14.7%	14.75%	0.0%	\$ (88,863)	\$ 116,422,669	17.9%	17.75%	0.1%	\$ 921,362	
Non-US Equity	\$ 341,972,166	17.2%	16.75%	0.4%	\$ 8,470,794	\$ 128,573,835	19.8%	19.75%	0.0%	\$ 58,297	
Private Equity	\$ 230,077,206	11.6%	7.00%	4.6%	\$ 90,703,498	\$ 64,520,701	9.9%	10.00%	-0.1%	\$ (550,458)	
High Yield/Specialty Credit	\$ 287,735,377	14.5%	15.00%	-0.5%	\$ (10,922,569)	\$ 106,078,007	16.3%	15.00%	1.3%	\$ 8,471,269	
Liquidity	\$ 527,386,201	26.5%	23.50%	3.0%	\$ 59,488,753	\$ 134,521,200	20.7%	14.50%	6.2%	\$ 40,168,020	
Core Fixed Income	\$ 465,985,787	23.4%	20.50%	2.9%	\$ 57,819,928	\$ 109,384,088	16.8%	13.50%	3.3%	\$ 21,538,023	
Cash	\$ 61,400,414	3.1%	3.00%	0.1%	\$ 1,668,825	\$ 25,137,112	3.9%	1.00%	2.9%	\$ 18,629,996	
Diversifying Strategies	\$ 308,476,391	15.5%	23.00%	-7.5%	\$ (149,465,792)	\$ 99,075,388	15.2%	23.00%	-7.8%	\$ (50,588,277)	
Real Return	\$ 159,574,001	8.0%	15.00%	-7.0%	\$ (139,083,945)	\$ 54,763,763	8.4%	15.00%	-6.6%	\$ (42,842,975)	
Real Estate	\$ 76,944,468	3.9%	5.00%	-1.1%	\$ (22,608,181)	\$ 24,749,059	3.8%	5.00%	-1.2%	\$ (7,786,520)	
Abs Ret / Opportunistic	\$ 71,957,923	3.6%	3.00%	0.6%	\$ 12,226,334	\$ 19,562,566	3.0%	3.00%	0.0%	\$ 41,218	
Miscellaneous	\$ 1,814,178	0.1%	0.00%	0.1%	\$ 1,814,178	\$ 1,519,788	0.2%	0.00%	0.2%	\$ 1,519,788	
TOTAL PORTFOLIO	\$1,991,052,968					\$650,711,587					
Category	CERS - PEN					CERSH - PEN					
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff	
Growth	\$4,487,591,873	64.8%	62.50%	2.3%	\$ 162,186,658	\$1,500,197,061	64.7%	62.50%	2.2%	\$ 50,386,210	
US Equity	\$1,266,745,546	18.3%	17.75%	0.6%	\$ 38,330,465	\$ 422,791,757	18.2%	17.75%	0.5%	\$ 11,045,475	
Non-US Equity	\$1,401,059,051	20.2%	19.75%	0.5%	\$ 34,231,003	\$ 468,314,683	20.2%	19.75%	0.4%	\$ 10,174,454	
Private Equity	\$695,516,356	10.0%	10.00%	0.0%	\$ 3,451,522	\$ 236,911,720	10.2%	10.00%	0.2%	\$ 4,941,984	
High Yield/Specialty Credit	\$1,124,270,920	16.2%	15.00%	1.2%	\$ 86,173,669	\$ 372,178,901	16.0%	15.00%	1.0%	\$ 24,224,297	
Liquidity	\$1,321,128,803	19.1%	14.50%	4.6%	\$ 317,634,793	\$450,711,190	19.4%	14.50%	4.9%	\$ 114,355,073	
Core Fixed Income	\$1,176,725,308	17.0%	13.50%	3.5%	\$ 242,437,781	\$ 387,087,661	16.7%	13.50%	3.2%	\$ 73,928,517	
Cash	\$144,403,496	2.1%	1.00%	1.1%	\$ 75,197,012	\$ 63,623,530	2.7%	1.00%	1.7%	\$ 40,426,556	
Diversifying Strategies	\$1,110,467,997	16.0%	23.00%	-7.0%	\$ (481,281,123)	\$ 367,032,037	15.8%	23.00%	-7.2%	\$ (166,498,357)	
Real Return	\$605,337,817	8.7%	15.00%	-6.3%	\$ (432,759,435)	\$ 206,498,510	8.9%	15.00%	-6.1%	\$ (141,456,094)	
Real Estate	\$276,265,284	4.0%	5.00%	-1.0%	\$ (69,767,133)	\$ 87,278,883	3.8%	5.00%	-1.2%	\$ (28,705,985)	
Abs Ret / Opportunistic	\$228,864,895	3.3%	3.00%	0.3%	\$ 21,245,445	\$ 73,254,643	3.2%	3.00%	0.2%	\$ 3,663,722	
Miscellaneous	\$1,459,671	0.0%	0.00%	0.0%	\$ 1,459,671	\$ 1,757,074	0.1%	0.00%	0.1%	\$ 1,757,074	
TOTAL PORTFOLIO	\$6,920,648,344					\$2,319,697,362					
Category	SPRS - PEN					PENSION TOTAL FUND					
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff	
Growth	\$148,444,851	56.7%	53.50%	3.2%	\$ 8,279,889	\$ 7,705,205,196	63.4%	60.8%	2.6%	\$ 317,916,087	
US Equity	\$ 40,229,349	15.4%	14.75%	0.6%	\$ 1,585,738	\$ 2,139,780,770	17.6%	17.2%	0.4%	\$ 51,794,176	
Non-US Equity	\$ 45,172,427	17.2%	16.75%	0.5%	\$ 1,289,004	\$ 2,385,092,162	19.6%	19.2%	0.4%	\$ 54,223,552	
Private Equity	\$ 21,151,390	8.1%	7.00%	1.1%	\$ 2,812,049	\$ 1,248,177,374	10.3%	9.4%	0.8%	\$ 101,358,596	
High Yield/Specialty Credit	\$ 41,891,686	16.0%	15.00%	1.0%	\$ 2,593,098	\$ 1,932,154,891	15.9%	15.0%	0.9%	\$ 110,539,764	
Liquidity	\$73,075,679	27.9%	23.50%	4.4%	\$ 11,507,892	\$ 2,506,823,073	20.6%	16.2%	4.5%	\$ 543,154,531	
Core Fixed Income	\$ 63,473,147	24.2%	20.50%	3.7%	\$ 9,765,078	\$ 2,202,655,990	18.1%	14.8%	3.3%	\$ 405,489,328	
Cash	\$ 9,602,532	3.7%	3.00%	0.7%	\$ 1,742,814	\$ 304,167,083	2.5%	1.4%	1.1%	\$ 137,665,203	
Diversifying Strategies	\$ 40,113,434	15.3%	23.00%	-7.7%	\$ (20,144,400)	\$ 1,925,165,246	15.9%	23.0%	-7.1%	\$ (867,977,948)	
Real Return	\$ 21,774,257	8.3%	15.00%	-6.7%	\$ (17,524,331)	\$ 1,047,948,347	8.6%	15.0%	-6.4%	\$ (773,666,779)	
Real Estate	\$ 10,474,489	4.0%	5.00%	-1.0%	\$ (2,625,041)	\$ 475,712,183	3.9%	5.0%	-1.1%	\$ (131,492,859)	
Abs Ret / Opportunistic	\$ 7,864,689	3.0%	3.00%	0.0%	\$ 4,971	\$ 401,504,716	3.3%	3.0%	0.3%	\$ 37,181,690	
Miscellaneous	\$ 356,619	0.1%	0.00%	0.1%	\$ 356,619	\$ 6,907,330	0.1%	0.0%	0.1%	\$ 6,907,330	
TOTAL PORTFOLIO	\$261,990,584					\$12,144,100,845					

KRS - INSURANCE FUND ALLOCATIONS										2/14/2019
Category	KERS - INS					KERSH - INS				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	\$ 560,418,156	64.7%	62.50%	2.2%	\$ 18,891,861	\$ 331,550,986	65.1%	62.50%	2.6%	\$ 13,118,283
US Equity	\$ 174,351,238	20.1%	17.75%	2.4%	\$ 20,557,770	\$ 93,617,111	18.4%	17.75%	0.6%	\$ 3,182,224
Non-US Equity	\$ 189,032,808	21.8%	19.75%	2.1%	\$ 17,910,499	\$ 104,837,935	20.6%	19.75%	0.8%	\$ 4,213,201
Private Equity	\$ 47,666,228	5.5%	10.00%	-4.5%	\$ (38,977,979)	\$ 52,625,660	10.3%	10.00%	0.3%	\$ 1,676,428
High Yield/Specialty Credit	\$ 149,367,882	17.2%	15.00%	2.2%	\$ 19,401,571	\$ 80,470,279	15.8%	15.00%	0.8%	\$ 4,046,430
Liquidity	\$ 177,371,251	20.5%	14.50%	6.0%	\$ 51,737,151	\$ 96,125,318	18.9%	14.50%	4.4%	\$ 22,248,931
Core Fixed Income	\$ 132,573,163	15.3%	13.50%	1.8%	\$ 15,603,483	\$ 82,498,660	16.2%	13.50%	2.7%	\$ 13,717,197
Cash	\$ 44,798,088	5.2%	1.00%	4.2%	\$ 36,133,667	\$ 13,626,658	2.7%	1.00%	1.7%	\$ 8,531,734
Diversifying Strategies	\$ 128,696,479	14.9%	23.00%	-8.1%	\$ (70,585,198)	\$ 81,842,132	16.1%	23.00%	-6.9%	\$ (35,341,103)
Real Return	\$ 72,190,469	8.3%	15.00%	-6.7%	\$ (57,775,842)	\$ 42,655,019	8.4%	15.00%	-6.6%	\$ (33,768,830)
Real Estate	\$ 28,823,547	3.3%	5.00%	-1.7%	\$ (14,498,557)	\$ 21,141,071	4.1%	5.00%	-0.9%	\$ (4,333,546)
Abs Ret / Opportunistic	\$ 27,682,463	3.2%	3.00%	0.2%	\$ 1,689,201	\$ 18,046,042	3.5%	3.00%	0.5%	\$ 2,761,272
Miscellaneous	\$ (43,814)	0.0%	0.00%	0.0%	\$ (43,814)	\$ (26,111)	0.0%	0.00%	0.0%	\$ (26,111)
TOTAL PORTFOLIO	\$ 866,442,072					\$ 509,492,325				\$ 13,118,283
Category	CERS - INS					CERSH - INS				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	\$1,536,734,449	64.8%	62.50%	2.3%	\$ 54,889,465	\$834,564,719	65.5%	62.50%	3.0%	\$ 38,376,261
US Equity	\$ 425,890,017	18.0%	17.75%	0.2%	\$ 5,046,042	\$ 230,749,217	18.1%	17.75%	0.4%	\$ 4,631,695
Non-US Equity	\$ 476,788,087	20.1%	19.75%	0.4%	\$ 8,525,072	\$ 258,392,307	20.3%	19.75%	0.5%	\$ 6,796,754
Private Equity	\$ 283,511,606	12.0%	10.00%	2.0%	\$ 46,416,408	\$ 159,382,319	12.5%	10.00%	2.5%	\$ 31,992,166
High Yield/Specialty Credit	\$ 350,544,740	14.8%	15.00%	-0.2%	\$ (5,098,057)	\$ 186,040,875	14.6%	15.00%	-0.4%	\$ (5,044,354)
Liquidity	\$459,168,624	19.4%	14.50%	4.9%	\$ 115,380,587	\$239,022,939	18.8%	14.50%	4.3%	\$ 54,307,217
Core Fixed Income	\$ 370,188,724	15.6%	13.50%	2.1%	\$ 50,110,207	\$ 198,347,833	15.6%	13.50%	2.1%	\$ 26,371,127
Cash	\$ 88,979,900	3.8%	1.00%	2.8%	\$ 65,270,380	\$ 40,675,105	3.2%	1.00%	2.2%	\$ 27,936,090
Diversifying Strategies	\$ 375,169,589	15.8%	23.00%	-7.2%	\$ (170,149,366)	\$ 200,378,856	15.7%	23.00%	-7.3%	\$ (92,618,496)
Real Return	\$ 205,169,463	8.7%	15.00%	-6.3%	\$ (150,473,333)	\$ 106,640,630	8.4%	15.00%	-6.6%	\$ (84,444,600)
Real Estate	\$ 91,747,523	3.9%	5.00%	-1.1%	\$ (26,800,075)	\$ 50,238,876	3.9%	5.00%	-1.1%	\$ (13,456,201)
Abs Ret / Opportunistic	\$ 78,252,602	3.3%	3.00%	0.3%	\$ 7,124,043	\$ 43,499,350	3.4%	3.00%	0.4%	\$ 5,282,304
Miscellaneous	\$ (120,687)	0.0%	0.00%	0.0%	\$ (120,687)	\$ (64,982)	0.0%	0.00%	0.0%	\$ (64,982)
TOTAL PORTFOLIO	\$ 2,370,951,975					\$ 1,273,901,531				
Category	SPRS - INS					INSURANCE TOTAL FUND				
	Market Value	Actual	Target	Diff	Market Diff	Market Value	Actual	Target	Diff	Market Diff
Growth	\$126,903,053	66.6%	62.50%	4.1%	\$ 7,781,555	\$ 3,390,171,363	65.1%	62.5%	2.6%	\$ 133,057,425
US Equity	\$ 35,221,458	18.5%	17.75%	0.7%	\$ 1,390,953	\$ 959,829,042	18.4%	17.75%	0.7%	\$ 34,808,684
Non-US Equity	\$ 38,997,178	20.5%	19.75%	0.7%	\$ 1,354,784	\$ 1,068,048,315	20.5%	19.75%	0.7%	\$ 38,800,310
Private Equity	\$ 24,176,308	12.7%	10.00%	2.7%	\$ 5,116,868	\$ 567,362,121	10.9%	10.0%	0.9%	\$ 46,223,891
High Yield/Specialty Credit	\$ 28,508,110	15.0%	15.00%	0.0%	\$ (81,050)	\$ 794,931,886	15.3%	15.0%	0.3%	\$ 13,224,541
Liquidity	\$34,130,199	17.9%	14.50%	3.4%	\$ 6,494,012	\$ 1,005,818,331	19.3%	14.5%	4.8%	\$ 250,167,897
Core Fixed Income	\$ 29,538,170	15.5%	13.50%	2.0%	\$ 3,807,926	\$ 813,146,550	15.6%	13.5%	2.1%	\$ 109,609,940
Cash	\$ 4,592,029	2.4%	1.00%	1.4%	\$ 2,686,085	\$ 192,671,780	3.7%	1.0%	2.7%	\$ 140,557,957
Diversifying Strategies	\$ 29,570,898	15.5%	23.00%	-7.5%	\$ (14,265,814)	\$ 815,657,953	15.7%	23.0%	-7.3%	\$ (382,959,976)
Real Return	\$ 14,761,666	7.7%	15.00%	-7.3%	\$ (13,827,494)	\$ 441,417,246	8.5%	15.0%	-6.5%	\$ (340,290,099)
Real Estate	\$ 8,070,125	4.2%	5.00%	-0.8%	\$ (1,459,595)	\$ 200,021,142	3.8%	5.0%	-1.2%	\$ (60,547,973)
Abs Ret / Opportunistic	\$ 6,739,107	3.5%	3.00%	0.5%	\$ 1,021,275	\$ 174,219,564	3.3%	3.0%	0.3%	\$ 17,878,095
Miscellaneous	\$ (9,752)	0.0%	0.00%	0.0%	\$ (9,752)	\$ (265,345)	0.0%	0.0%	0.0%	\$ (265,345)
TOTAL PORTFOLIO	\$ 190,594,398					\$ 5,211,382,301				

Performance: PENSION (Net of Fees)					
	Dec-18	FYTD	1Yr	3Yr	5Yr
Total Pension Fund	-2.25%	-2.99%	-1.82%	7.00%	5.19%
Allocation Index	-2.33%	-3.33%	-2.81%	6.64%	5.16%
Value Add	0.08%	0.34%	0.99%	0.36%	0.03%
IPS Benchmark	-2.42%	-3.26%	-2.51%		
Value Add	0.17%	0.27%	0.69%		
KERS	-1.62%	-1.95%	-1.01%	6.31%	5.08%
Allocation Index	-2.00%	-2.77%	-2.23%	6.31%	4.93%
Value Add	0.38%	0.82%	1.22%	0.00%	0.15%
IPS Benchmark	-2.01%	-2.91%	-2.24%		
Value Add	0.39%	0.96%	1.23%		
Assumed Rate of Return	0.43%	2.59%	5.25%		
Value Add	-2.05%	-4.54%	-6.26%		
KERS-HAZ	-2.35%	-3.15%	-2.00%	7.07%	5.19%
Allocation Index	-2.40%	-3.43%	-2.90%	6.75%	5.04%
Value Add	0.05%	0.28%	0.90%	0.32%	0.15%
IPS Benchmark	-2.28%	-2.76%	-1.99%		
Value Add	-0.07%	-0.39%	-0.01%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-2.86%	-6.23%	-8.25%		
CERS	-2.40%	-3.26%	-2.08%	7.13%	5.18%
Allocation Index	-2.40%	-3.43%	-2.90%	6.78%	5.03%
Value Add	0.00%	0.17%	0.82%	0.35%	0.15%
IPS Benchmark	-2.28%	-2.76%	-1.99%		
Value Add	-0.12%	-0.50%	-0.09%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-2.91%	-6.34%	-8.33%		
CERS-HAZ	-2.39%	-3.24%	-2.03%	7.14%	5.21%
Allocation Index	-2.40%	-3.43%	-2.90%	6.77%	5.03%
Value Add	0.01%	0.19%	0.87%	0.37%	0.18%
IPS Benchmark	-2.28%	-2.76%	-1.99%		
Value Add	-0.11%	-0.48%	-0.04%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-2.90%	-6.32%	-8.28%		
SPRS	-1.91%	-2.50%	-1.62%	6.35%	4.69%
Allocation Index	-2.00%	-2.88%	-2.39%	6.52%	4.88%
Value Add	0.09%	0.38%	0.77%	-0.17%	-0.19%
IPS Benchmark	-2.09%	-2.91%	-2.24%		
Value Add	0.18%	0.41%	0.62%		
Assumed Rate of Return	0.43%	2.59%	5.25%		
Value Add	-2.34%	-5.09%	-6.87%		

Performance: INSURANCE (Net of Fees)					
	Dec-18	FYTD	1Yr	3Yr	5Yr
Total Insurance Fund	-2.42%	-3.23%	-1.84%	7.28%	5.20%
Allocation Index	-2.45%	-3.54%	-2.74%	6.90%	5.43%
Value Add	0.03%	0.31%	0.90%	0.38%	-0.23%
IPS Benchmark	-2.38%	-2.96%	-1.89%		
Value Add	-0.04%	-0.27%	0.05%		
KERS-INS	-2.93%	-4.06%	-3.30%	6.57%	4.63%
Allocation Index	-2.37%	-3.38%	-2.69%	7.02%	5.18%
Value Add	-0.56%	-0.68%	-0.61%	-0.45%	-0.55%
IPS Benchmark	-2.55%	-3.44%	-2.38%		
Value Add	-0.38%	-0.62%	-0.92%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-3.44%	-7.14%	-9.55%		
KERSH-INS	-2.42%	-3.26%	-1.97%	7.20%	5.13%
Allocation Index	-2.21%	-3.17%	-2.34%	7.11%	5.29%
Value Add	-0.21%	-0.09%	0.37%	0.09%	-0.16%
IPS Benchmark	-2.38%	-2.96%	-1.89%		
Value Add	-0.04%	-0.30%	-0.08%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-2.93%	-6.34%	-8.22%		
CERS-INS	-2.32%	-3.10%	-1.60%	7.38%	5.29%
Allocation Index	-2.45%	-3.53%	-2.71%	6.96%	5.24%
Value Add	0.13%	0.43%	1.11%	0.42%	0.05%
IPS Benchmark	-2.38%	-2.96%	-1.89%		
Value Add	0.06%	-0.14%	0.29%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-2.83%	-6.18%	-7.85%		
CERSH-INS	-2.30%	-3.06%	-1.51%	7.46%	5.35%
Allocation Index	-2.45%	-3.53%	-2.71%	6.96%	5.24%
Value Add	0.15%	0.47%	1.20%	0.50%	0.11%
IPS Benchmark	-2.38%	-2.96%	-1.89%		
Value Add	0.08%	-0.10%	0.38%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-2.81%	-6.14%	-7.76%		
SPRS-INS	-2.30%	-3.07%	-1.52%	7.44%	5.33%
Allocation Index	-2.45%	-3.53%	-2.71%	6.96%	5.25%
Value Add	0.15%	0.46%	1.19%	0.48%	0.08%
IPS Benchmark	-2.38%	-2.96%	-1.89%		
Value Add	0.08%	-0.11%	0.37%		
Assumed Rate of Return	0.51%	3.08%	6.25%		
Value Add	-2.81%	-6.15%	-7.77%		